

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: "Goof-Off"
Message-ID: <Pine.ULT.3.91.960809183155.24186B-100000@dua150.kpt.emn.com>

On Thu, 8 Aug 1996, Garey Barrell, K40AH, mentioned the use of "Goof Off".
> All it says on the contents label is "contains Xylene". Probably one of the
> chemist types on here can tell us more???

I think this is my cue... :-) [Remember I am really an engineer.]

"Goof Off" is a handy material for removing pressure sensitive adhesives, latex paint and many other materials from painted surfaces. The other main ingredient is limonene, a strong citrus smelling solvent derived from similar materials as turpentine. While it is still flammable and you really should wear gloves while using it outdoors, it is not nearly as toxic as many other solvents.

Garey makes a few good points that should be emphasized:
> for removing dried latex paint from "just about anything". Specifically
> listed is "fully cured varnished and oil based painted surfaces".

Note it is for removing LATEX paint from ENAMEL painted and varnished surfaces. Do not use it over LACQUER. While it will usually remove very fresh enamel paint, it does not work with cured enamel. Before using it on any plastic surface, test first - particularly older plastics. Very old celluloid and acetate plastics are sensitive to virtually all solvents and some may even be crazed and stress-corrosion cracked by alcohol.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Andy Wallace <wallace@mc.com>
Subject: 110V on chassis -- semi-solution
Message-ID: <9608092054.AA01917@taku>

----- Begin Included Message -----

From: "William B. Ross" <billross@txdirect.net>
Subject: Re: Isolation transformer

If one were to plug that equipmnet in with the chassis connected to the high side of the line, the chassis would be at 110 v above ground. An isolation transformer prents such a condition. Just a word of caution for those of you with some of the old ACDC Hallicrafters built after WWII.

----- End Included Message -----

..such as the Hallicrafters S-38 series. On my S-38B (and National SW-54) I ohmed out which side of the cord went to the chassis and scratched a G on that side of the plug blade. I then scratched H into the other side, and assuming I'm paying attention I plug the H side into the small blade opening of a properly-wired three-prong outlet. Voila, cold chassis.

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: n6nae@ix.netcom.com (Richard Humphrey)
Subject: 4H-4C ballast tube
Message-ID: <199608090440.VAA09522@dfw-ix12.ix.netcom.com>

I have another one of those "where did this come from" items in the junk box.

Shiny new 4H-4C ballast tube by Amperite. That number sounds familiar. What does it go in? Anybody need it?
Richard
n6nae@ix.netcom.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Dennis L. Wade" <wade@mpu.com>
Subject: Re: 4H-4C ballast tube
Message-ID: <320AD64B.4B13@mpu.com>

Richard Humphrey wrote:

>
> I have another one of those "where did this come from" items in the
> junk box.
>
> Shiny new 4H-4C ballast tube by Amperite. That number sounds familiar.
> What does it go in? Anybody need it?
> Richard
> n6nae@ix.netcom.com

The NC-300 uses it, probably other National products of similar vintage.

Wish I had one to use the tube :(

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: 650 bridge manual
Message-ID: <Pine.ULT.3.95.960809082426.18256A-1000000@admin.aurora.edu>

Someone responded to me that they wanted a 650 manual but I lost the mail.
If you are still looking for a manual copy, let me know.
Thanks

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: 75A PASSBAND TUNING
Message-ID: <9608091331.aa26090@pcusa01.ecunet.org>

You *have* to change the BFO frequency by the same amount that the tuning frequency is changed when doing passband tuning this way.

Otherwise, the received SSB station turns into Donald Duck or Darth Vader, depending on which way you tune. The method of the Collins prevents this from happening.

You're not really 'retuning' the radio, you're tuning it (the IF passband) to a different part of the incoming signal (to get the edge of the passband away from QRM) while keeping the BFO frequency where the carrier wants/needs to be in the IF.

Any radio with an adjustable BFO can be used to effect passband tuning like this, except you have to adjust the main tuning and the BFO separately.

-John Sehring (08/09/96 9:35 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: Re: 75A4 vs 75A3
Message-ID: <320AA0CE.169E@txdirect.net>

Glen:

As you suspect, the 75A4 has a product detector and the A3 does not. In addition, the A4 has bandpass tuning or the ability to shift the bandpass towards either side of the mechanical filter in order to slip interfering signals further down on the slope.

On the other hand, the A3 has a dual tuned RF stage which is much more resistant to front end overload than the A4.

A good clean A3 is worth about 2/3 that of an A4 but both are excellent receivers.

Bill Ross
K5LLK

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Dave Hockaday <wb4iuy@nando.net>
Subject: ???
Message-ID: <199608090215.WAA24979@bessel.nando.net>

I have a General Radio Co. model 1000-P6 20-1000 mc diode modulator. Does anyone know what its application was and does anyone have the manual for it??

Thanks!

73 de Dave Hockaday WB4IUY
wb4iuy@nando.net

<http://www.webbuild.com/~wb4iuy/teara.html>
(alternate) <http://www.geocities.com/TheTropics/3341/>
<http://www.RTPnet.org/~fcarc/>
(alternate) <http://www.geocities.com/TheTropics/3212/>
<http://www.RTPnet.org/~rdrc/>
<http://www.webbuild.com/~wb4iuy/>
(alternate) <http://www.geocities.com/TheTropics/3489/>
<http://www.geocities.com/TheTropics/3349/>

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: w5tvw@juno.com (Sandy Blaize)
Subject: Allied SX-190 information?
Message-ID: <19960809.111607.7455.1.W5TVW@juno.com>

Someone here did a post requesting info on the Allied SX-190 receiver. Whoever, please let me know via private post.

73

Sandy Blaize, W5TVW

Boat Anchors collected, restored, modified, traded & used!
w5tvw@juno.com
417 Ridgewood Drive,
Metairie, LA., 70001.

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: AN/SRR-13 audio
Message-ID: <Pine.SUN.3.94.960808222809.28210C-100000@coyote.rain.org>

I seem to recall an ER article by Walt Hutchens (where'd he go, anyway?) on the SRR-13. Think he said it was quite narrow for CW and RTTY. That would certainly explain lousy audio.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA (ex-K5FKT, W6RIC)
Got the old call back, ticket came in the mail today. (YESSSSSS!!!!)

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: Re: AN/SRR-13 audio
Message-ID: <199608091240.HAA05671@dns1.net-connect.net>

>I seem to recall an ER article by Walt Hutchens (where'd he go, >anyway?) on the SRR-13. Think he said it was quite narrow for CW and >RTTY. That would certainly explain lousy audio.

Also, as Walt indicates in this article, there is also a problem with the noise limiter which is permanently wired in the audio circuit - its bias is set wrong and causes distortion.

Also he outlines a method of dealing with the poor calibration and comes up with the probable reason for this situation.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "Dee C. Almquist" <soundnmind@rica.net>

Subject: ANTIQUE T00BS FS

Message-ID: <19960809160929706.AAA63@har-dialin-60.rica.net>

Hi BA Gang

I have again a few old tubes for sale. These have been checked out on TV 7/U for shorts, emmission, and life test.

1 ea. new in box Airline GX201A color silver (getter flash) \$20.

1 ea. new in original fact spec sheet wrapper, generic box, Cunningham CX301A, silver, brass pins, \$20.

1 ea. used Cunningham CX301A, silver, \$10.

THE ABOVE ARE ALL GLOBE.

6 ea. used RCA and others 01A s ST shaped, clear glass, \$8.ea

3 ea. used 26 ST shaped, \$7. ea.

1 ea. used 26 Globe, \$7.

I have others that I will get to in time.

Dee, W4PNT

Fax: (540) 249-5064 Shack: (540) 249-3161 or E-mail

Patty and Dee's marina, collectors of boatanchors.

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996

From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>

Subject: Re: ANTIQUE T00BS FS

Message-ID: <199608091651.LAA07189@dlep1.itg.ti.com>

At 11:10 AM 8/9/96 -0500, you wrote:

>...These have been checked out on TV 7/U

>for shorts, emmission, and life test.

Pardon my ignorance Dee, but what do you mean by "life test".

Regards,

Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: ANTIQUE T00BS FS
Message-ID: <199608092055.PAA22761@dlep1.itg.ti.com>

At 11:53 AM 8/9/96 -0500, I wrote:

>... but what do you mean by "life test".

Thanks to all who wrote providing enlightenment. The unanimous verdict is that the filament voltage is lowered and the emission level compared. If a "significant" drop occurs, then the tube is nearing end-of-life.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: John Wieder <jwieder@gunnison.com>
Subject: BC1147-A
Message-ID: <199608091906.NAA14484@gunnison.com>

I have watched the military postings but never seen anything mentioned about this ole timer. I have one in my garage... looks complete just needing a good cleaning and checkup. It tunes 1.5 - 30 MC with bandspread. Does anyone out there have experience with this receiver....general information....is it rare, etc?
Thanks. John WA0JYJ jwieder@gunnison.com
Andrea Wieder

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: frank_adams@onf.com (Frank Adams)
Subject: Branded Rack Cabinets?
Message-ID: <2633428958.50228982@onf.com>

I am always coming across small rack cabinets with either green or gray paint, which have a chrome decor strip top/bottom with red horizontal lines in the strips. Were these made by/for some specific brand of gear? National, perhaps?

Frank <frank_adams@onf.com>

--- OffRoad 1.0 unregistered

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Re: Branded Rack Cabinets?
Message-ID: <960809114021_102452.362_DHT56-1@CompuServe.COM>

>
> I am always coming across small rack cabinets with either green or gray paint,
> which have a chrome decor strip top/bottom with red horizontal lines in the
> strips. Were these made by/for some specific brand of gear? National,
> perhaps?
>

Probably most of them were made by Bud or Par Metal Company. Bud was a big name in the components business back in the 40's and 50's. They built chassis' and cabinets in all sizes. They were a supplier of variable caps, and many other parts. There was always a section in the old handbooks devoted to Bud products. Bud still builds chassis' and probably cabinets. I believe that Par Metal was a company that only built cabinets. In any event between the two of them they built lots of rack mount cabinets. Seems there was also a company named Premier in the same business and others that I cannot think about this early in the morning.

Regards,

Andy Howard, WA4KCY
Carrollton, Georgia
AMI #9

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: Re: Branded Rack Cabinets?
Message-ID: <199608091810.LAA00685@netcom18.netcom.com>

> Bud still builds chassis' and probably cabinets. I believe that Par Metal was a

> company that only built cabinets. In any event between the two of them they
> built lots of rack mount cabinets. Seems there was also a company named Premier

Premier is still in business, with both East and West Coast locations; I've gotten recent catalogs from 'em. The problem is, they've all gone to the "Space Age" cabinetry and you can neither afford the price nor the additional weight/complexity. It's enough to make one seriously consider getting a shear/brake setup and a spot welder and going into the box biz.

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996

From: "Allan Fritsche" <fritsche@msn.com>

Subject: Cases for the R-390 and a

Message-ID: <UPMAIL03.199608092355080236@msn.com>

Gang, I spent a lot of time in Korea with the Army Security Agency in the early sixties.

Yes there is a standard factory case for the unit. Been there, seen them..

More important is what happened to the Wooden Work Benches these guys resided on as they were only in mobile equipment.

Al

fritsche@msn.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996

From: MODSTEPH@ACS.EKU.EDU

Subject: Central Kentucky Hamfest (Frankfort)

Message-ID: <01I81T3YXLYQ000SNT@ACS.EKU.EDU>

Will be this Sunday, August 11, sponsored primarily by the Bluegrass ARC (Lexington) of which I am a member. It is usually a very decent gathering, and I have found some great items in the past (which of course is no guarantee for any "next time"), but is easily reached off I-64 and has talk-in - see Aug QST for details.

I will be there but out of view for the first part of the day,

since I will be helping with the CW portion of the testing as a VE.
Out in the outside flea market (there is also indoors) you can spot
me by the pith (be careful how you say that!) helmet which is standard
hamfest attire for me: says "Interline" on the front, a gift from
my brohter who used to work for that company...

Anyway, please say "Hey!" if you see me there - and I hope
many of you can make it!

Set-up stats at 0600 (EDT); hamfest officially oppens at 0800.

73, A1 N5AIT
modsteph@acs.eku.edu
Richmond, Kentucky

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: re: dynamotors etc
Message-ID: <199608090316.UAA14672@dfw-ix5.ix.netcom.com>

Both the dynamotors for the ART-13 are gone as are a pair of
connectors.

I have a Heath IM-18 voltmeter that is in need of fixin. Would like to
have a manual if there is one around.

As a side comment, this has to be the best behavin group on the "net".
You folks are just great.

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
Subject: FS Boatanchors

1. National HRO Sixty. With A,B,C,and D coils and original spkr. \$200
2. Hammarlund HQ 180A. Mint shape, clock works. \$200

reply private e-mail

av599@lafn.org

----- Forwarded message ends here -----

NOTE The message above is a re-post from the newsgroup rec.radio.swap.
All replies *must* go to the person making the post, not me.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: FS: 4CX1500B & socket
Message-ID: <199608091814.NAA18742@ns.cyberhouse.com>

I have a 4CX1500B tube with about 5 hours use...it tests good under load
in a 30S-1...\$275 shipped in US. Eimac SK800A socket and chimney for
above, unused, \$45 shipped in US. \$300 shipped for both.

thanks,
Phil

Phil Mills, AB5TH
pmills@cyberhouse.com
713-992-5762
Friendswood, TX (just south of Houston)

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Don Reaves <dr@cei.net>
Subject: FS: Heath Built, free stuff, too
Message-ID: <Pine.LNX.3.91.960809014457.26537A-100000@kc5jh.reaves.net>

I need room and funds for new 'electronic junk and wastepaper'.

Heath Lab Grade Equipment:

- 1 - EUW-16A Heath Built Voltage Reference Source \$20
- 2 - EUW-17 Heath Built variable transistor power supply, \$10
- 1 - EUW-18 Heath Built Lab Meter 0-1ma \$5
- 2 - EUW-24 Heath Built VTVM, no probe \$35
- 1 - EUW-24 Heath Built VTVM, with probe \$40

1 - EUW-27 Heath Built Sine Square Wave Generator \$40
1 - EUW-28 Heath Built Resistance Substitution Box \$10
1 - EUW-30 Heath Built Decade Resistance Box \$20
2 - EUW-16A Heath Built Voltage Reference Source Parts Unit FREE*
2 - ID-22 Heathkit Electronic Switches FREE*
1 - Heathkit Christmas 1977 catalog FREE*
1 - Heathkit Christmas 1978 catalog FREE*

I have no manuals for this equipment. Most is in good condition, may need touchup. FREE stuff might be missing a knob or have minor dents/dings.

You pay shipping, of course. My discretion on who gets what. I'll listen to hard luck stories, amusing incidents, outrageous requests, in kind trade offers, etc. I will be out of town til Sunday night, so don't be alarmed that you don't hear from me immediately.

Don Reaves WA5BBS dr@cei.net
46 Arbor Oaks Drive
N. Little Rock, AR 72120

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Lahlum-FLR111 Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: FW: Tube Puller??
Message-ID: <9608091442.AA09546@kay.wes.mot.com>

You can also use a piece of rubber tubing if it's the right size...

73,
Ross KB9JJR

From: billross@txdirect.net on Thu, Aug 8, 1996 10:30 PM
Subject: Re: Tube Puller??

James P. Rybak wrote:

>
> Does anyone know where I can buy a tube puller for removing tubes from
> hard to reach places?
>
> Thanks.
>

> Jim Rybak W0KSD

I bought mine from Altex Electronics In San Antonio, Texas.
(210)828-0503. I admit I work there but you asked and I don't know any
place else.

Bill K5LLK

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS Boatanchors
Message-ID: <78611.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: Doug Forbes <av599@lafn.org>
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: n6nae@ix.netcom.com (Richard Humphrey)
Subject: Hammarlund "HI-Q 30" Receiver book:
Message-ID: <199608100038.RAA03226@dfw-ix12.ix.netcom.com>

A Hammarlund what?????

The local used book store has a manual for a Hammarlund Hi-Q 30
Receiver. The set looks like a late 1920s BC set. Certainly before
the communications receiver era at Hammarlund.

If someone wants it, I could probably be talked into going in there on
Sunday. My faulty memory seems to think it's either \$15 or \$30. If
you are interested, please reply with a limit on the price you would go
to and what condition it needs to be in. They have it in a plastic
bag, and from what I could see, it wasn't in bad shape, but I won't
commit to anything beyond that comment!

Richard
n6nae@ix.netcom.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Engbert Oord <engbert.oord@jet.uk>
Subject: Heathkit Hi-Fi FM Tuner AJ-31
Message-ID: <9608091427.AA27663@jet.uk>

Hello

Today I bought for a nominal sum a Heathkit Hi-Fi FM tuner Model AJ-31 from my local Radio Club. It has no back, and lacking screwholes or other means of fixation, it may never have had one. Anybody kows about this little tuner ? Has anybody a circuit digram for it ?

Greetings

Engbert Oord , G7THB
JET Joint European Torus, Culham ,UK
Email : eo@jet.uk or engbert.oord@jet.uk

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Andy Wallace <wallace@mc.com>
Subject: Re: How I appreciate this Group
Message-ID: <9608091209.AA01791@taku>

----- Begin Included Message -----

From: "Allan Fritsche" <fritsche@msn.com>
Subject: How I appreciate this Group

So. Iam not a Ham but I have the spirit of one. I know this sounds corny, but I mean it, and respect all of you on this list as brothers.

----- End Included Message -----

Al, don't be apologetic about not having a ham ticket. Anyone can love tube gear...it's just that hams get to use the transmitters, too. :-)

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Lahlum-FLR111 Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: RE: How I appreciate this Group
Message-ID: <9608091457.AA09683@kay.wes.mot.com>

Al,

No need to apologize - I enjoy reading your posts. I love working on BAs but don't often get the time due to work, wife, kids, etc, etc. At least I can get some enjoyment vicariously as I read about what you're doing. I also agree that this list is a lot like the fraternity ham radio was in the olden days when guys actually built & fixed their own equipment. On the internet, we can all QSO, ham ticket or not!

73,
Ross

Just appreciation in this message.

I know you guys are tired of seeing my messages, but they do come in spurts.i.e. Easy to delete if you see my name.

So. I am not a Ham but I have the spirit of one. I know this sounds corny, but I mean it, and respect all of you on this list as brothers.

Enough Said
Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: How television works, a metaphor
Message-ID: <Pine.SUN.3.91.960809120008.16199E@indy2>

Hi!

...And *warning:* what follows is only tangentially applicable to BAs. While it does imply why I enjoy messing with 'em as a hobby, there's nothing technical or specific. It hit me this morning, and I'll take my off-topic lumps for posting it. Reply by private e-mail, unless you're Jack, who may wanna yell at me in public. >blush<

HOW TELEVISION WORKS, AND WHAT'S IN STORE FOR THE FUTURE

Modern NTSC television, with color and stereo sound, works in a manner akin to taking beautiful five-pound bags, decorated with rare & colorful fabrics, sequins and flashing lights and a velvet ribbon to tie them shut, and stuffing 7 1/2 pounds of ripe compost in 'em. Then the bags are loaded into a van and driven around, looking for open doors and windows in people's homes. When one is spotted, the bag is set afire and heaved

through, while the van speeds away.

But great things are coming! High-Definition Television will be
completely different: we shall use even more highly decorated
fifty-pound bags, and put *75* pounds of compost in them!

And that's why, when I go home, I mess with old radio gear instead.
(And I don't think I can tell the above story at work. We run a good many
talk shows at the ol' TV station.... <wry grin>)

73,
--Bobbi

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: don merz <71333.144@CompuServe.COM>
Subject: HQ-110.VHF, G-76, SX-71, RAX-1 FS
Message-ID: <960809140811_71333.144_DHB35-1@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Hammarlund HQ-110/VHF receiver. Ham bands only, CW/AM/SSB. Like brand new.
With matching speaker and original manual. Purchased from original
owner. Excellent performer. \$210

Gonset G-76 AM transceiver circa 1962. Looks and works great. The trouble is
the AC and DC supplies both don't work at all. Includes DC cable and the
original manual I just ordered for it. \$195

Hallicrafters SX-71 ham bands receiver. Excellent looking and all original
except for one 1/8" hole in the top cover. RF section works great but the
audio section is dead. With manual photocopy. \$90

Military RAX-1 receiver (G.E. model CG-46117) covering 7 - 27mhz. I am told
that this is receiver 3 of the 3 receiver set. This was a very early
command set design. This one needs love. The antenna trim control is
missing, the tuning knob is wrong and the black powdercoat paint is flaking
off in many spots. But it is quite restorable. No accessories or manual. \$59

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "William B. Ross" <billross@txdirect.net>

Subject: Re: Isolation transformer
Message-ID: <320AA92F.101F@txdirect.net>

Richard:

The purpose of an isolation transformer is to isolate the electrical system of a piece of equipment from earth ground. This is required on ACDC sets that utilized the chassis as ground and was attached directly to the common side of the line. If one were to plug that equipment in with the chassis connected to the high side of the line, the chassis would be at 110 v above ground. An isolation transformer prevents such a condition. Just a word of caution for those of you with some of the old ACDC Hallicrafters built after WWII.

Bill Ross
K5LLK

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Matt Jodziewicz <mattj@oraus.com>
Subject: It's an R388!
Message-ID: <01BB85EC.178CCC60@mattj.oraus.com>

Well I have just been blessed with the arrival of a R388 all the way from Maine to California with only a dented corner (thanks UPS), Heck even the spider webs and dirt also made it OK. The unit is from the 1951 contract and is serial number 50. In spite of the age, the unit looks good under the tropicalizing honey and even has a top cover (did they have bottom covers as well?). The main drum needs restringing and the seller included a new drum sheet to glue onto the roller.

Now for the list, before I finish clearing out the cobwebs and evicting the spiders and dirt are these any special warnings or "gee I wish I'd've know that before..." that anybody can pass on? Guess the wife and kids (and mother-in-law) won't see too much of me this weekend.

Finally, does anybody have a manual they can sell or copy (usual costs reimbursed) or point me to where to get one? Those pesky schematics are sometimes useful.

thanks.

Matt WB2VZS

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Steve Ellington <n41q@iglou.com>
Subject: Re: It's an R388!
Message-ID: <Pine.GS0.3.93.960809163701.15193C-100000@iglou>

I just got an R388 too. Yes, they do have bottom covers. Mine also has a cabinet. Using a variac, I gradually increased the line voltage to 110. Amazingly, it worked! This radio had been setting in a barn, unheated, uncooled with a leaky tin roof, bugs, mice etc since 1974! Even the dial lights lit! The xtal filter is the best I've heard yet too. Dirt was an inch thick but it's going to clean up beautifully.

After an hour or so, a hum developed then pppfffzzzzzz went the filter capacitor. This cap is a plug in job that is held down along with the rectifier tube by a clamp. After opening the window and exhausting the room, I removed the cap and patched in some temporary ones just to be sure all was ok. I'm hoping I can gut the original can and cram the replacements inside.

Now about that dial drum that Matt mentioned. Are there "dial sheets" available for these? Mine is quite grungy and yellow and a fresh one would make it look like new.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: steve@hi.com (Steve Byan)
Subject: Re: Krohn-Hite Bandpass Filter
Message-ID: <v02130503ae310921af39@[140.243.30.128]>

I recently wrote about the Krohn-Hite model 330-A band-pass filter:
>Next stuff, and sophisticated circuit design for its time. The schematic is
>dated July 1, 1958.

Last weekend I received the schematic for the 330-M. This one is dated February 5, 1953 and approved by E. Krohn himself. So the design goes back to the early 50's.

Regards,
-Steve

Steve Byan
Hitachi Computer Products (America), Inc.
1601 Trapelo Road

internet: steve@hi.com
phone: (617) 890-0444

Waltham, MA 02154

FAX: (617) 890-4998

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: klaudon@PICA.ARMY.MIL
Subject: Re: Melton Book
Message-ID: <9608091531.AA17729@batdd6.pica.army.mil>

>From: Richard Brisson <hagelin@magi.com>
>
>I thought I would "cc" the list with regards to the new Melton book. Its
>title is "The Ultimate Spy Book".
>
>It features a number of cipher devices (Enigma, Kryha, M-209 and other Hagelin
>devices) and some clandestine radios (Delco 5300 used in Cuba; SOE Type B
>MK II and Type A MK III; OSS SSTR-1; unidentified 8-tube superhet receiver
>2-bands AM & CW).
>
>If you are interested in the book, Keith Melton can be reached directly at:
>
>74237.202@CompuServe.com (Keith Melton)
>
>I ordered a personalized copy for \$30 USD.

It's a fun book, one of those large format, slick, lotsa-great-pix-with-some-words-thrown-in type books that are appearing on every subject imagineable. I don't think that the author would mind if I mentioned that I got mine recently at Price-Costco (membership club, hey, EVERYONE'S gotta be a member of SOME club, right?) for maybe 14 or 15 bucks. I'm sure he gets the same royalty no matter how much one pays for one's copy. Not personalized, tho.

What WOULD be interesting to find out from the author, tho, is how he did the research, and obtained some of the pix that appear in the book! Where DID he get those radios to take the pix of??

73 de AA2UQ

Kalman Laudon, AA2UQ CW, QRP, Hollow State Radios, and CW!!
<klaudon@pica.army.mil>
previously - WD6CZI, WA1SUF
"Get your facts first, then you may distort them as you please." - Mark Twain

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: Melton Book
Message-ID: <Pine.OSF.3.91.960809171822.22065D-100000@abernathy.tenet.edu>

Keith Melton probably owns all of the radios that are pictured in his book. He has been collecting that stuff for a long time.

He once gave a talk to one of the ham clubs here in Dallas and brought a lot of the WW-II spy radios along for us to drool over. Heck - I'd like to have the stuff he throws away! :-)

Lenox, WA50VG

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Mutual Coupling of coils
Message-ID: <UPMAIL03.199608090117470944@msn.com>

OK , Guys, I need to wind a Ant coil. The winding for the primary sense is - and +,
i.e. - closes to ground potential is -. Secondary on top should be just the opposite. Am I right or wrong on this, It's a slug tuned coil.
I hate to ask the group, as I should be reading more. and helping to answer this type of question. Hank help me out.

Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: Mutual Coupling of coils
Message-ID: <199608091526.KAA03145@netcom5.netcom.com>

As Allan Fritsche discourses

>

>

> OK , Guys, I need to wind a Ant coil. The winding for the primary sense is -
> and +,
> i.e. - closes to ground potential is -. Secondary on top should be just the
> opposite. Am I right or wrong on this, It's a slug tuned coil.

> I hate to ask the group, as I should be reading more. and helping to answer
> this type of question. Hank help me out.

>

The polarity sense of a two coils on the ssame coil form, wound in the same rotational direction, is the same: 1.e., the start of the first winding has the same polarity as the start of the second winding. That follows Lenz's law (the right hand rule) and the rules used in Vector Algebra discussions of Maxwell's Equations.

The primary of an antenna coil is untuned, and the secondary tuned. You will need to position your secondary so that the slug can tune it and adjust inductance of the coil with the slug in place so that it will resonate with the maximum capacitance across it in the right place on your tuning dial. A 3:1 stepup ratio between primary and secondary should be about right if you have an RF preamp in front of the mixer.

Polarity of connections? Not critical in this application. Often small coils of this type will work better with connections one way vs. another, but this is mostly due to proximity to chassis, stray pickup, etc.

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Noise Nominations
Message-ID: <83884.ddillman@igc.apc.org>

So far the nominations for the source of the noise I have here that appears about every 200kc. with garbled 60cps modulation range from the dreaded touch lamp to an aquarium pump!

Anyway, I'm writing to say a> thanks, and b> advise y'all that I'll be on vacation and possibly away from the keyboard (haven't decided if I'll bring the laptop yet) so don't take it amiss if you don't hear from me for a few weeks. Once the culprit is unmasked it will be announced in these pages.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: w5tvw@juno.com (Sandy Blaize)
Subject: Re: Noise Nominations
Message-ID: <19960809.084518.10151.0.W5TVW@juno.com>

The "Touch Lamp" can usually be retaliated against easily! When one runs 250-500 watts or more, it usually will drive your neighbor's touch lamp absolutely nuts!

I saw in Home Depot today a remote control kit for a ceiling fan! I wonder what a ham transmitter would do to that?

Sooner or later, with all this crap coming from China, I think we amateurs might have a good lawsuit against the manufacturers of all this radio controlled junk that your boat anchor trips or drives crazy. There is less and less RFI resistance in this consumer electronic stuff!

Something to think about!

73

Sandy Blaize, W5TVW
Boat Anchors collected, restored, modified, traded & used!
w5tvw@juno.com
417 Ridgewood Drive,
Metairie, LA., 70001.

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Re: Oddball connector-Mil
Message-ID: <Pine.GS0.3.93.960808212025.86600-100000@sky.net>

On Thu, 8 Aug 1996, Dennis L. Wade wrote:

> Ran across a piece of military equipment recently which has a (female)
> coaxial connector which appears, at first glance, to be an N connector.
> But closer inspection finds it to be oversize for an 'N' (an N on
> steroids?)
> Sound familiar to anyone?

Sounds like it could be an "HN" which is a "high voltage N". Popular on later vintage HF gear. 73, Sheldon KC0CW

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: paul Veltman <veltman@netcom.com>
Subject: Re: Oddball connector-Mil
Message-ID: <Pine.3.89.9608090816.A3912-0100000@netcom16>

Sounds like an "HN" connector to me.

Paul WA6OKQ

On Thu, 8 Aug 1996, Dennis L. Wade wrote:

> Greetings Military anchorites:
>
> Ran across a piece of military equipment recently which has a (female)
> coaxial connector which appears, at first glance, to be an N connector.
> But closer inspection finds it to be oversize for an 'N' (an N on
> steroids?)
>
> Sound familiar to anyone?
>
> Thanks,
> Dennis
> KG6ZI
>

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Re: Oddball connector-Mil
Message-ID: <Pine.ULT.3.91.960809185343.24186C-100000@dua150.kpt.emn.com>

On Thu, 8 Aug 1996, Dennis L. Wade wrote:

> Ran across a piece of military equipment recently which has a (female)
> coaxial connector which appears, at first glance, to be an N connector.
> But closer inspection finds it to be oversize for an 'N' (an N on
> steroids?) Sound familiar to anyone?

Sheldon, KC0CW, replied:

>Sounds like it could be an "HN" which is a "high voltage N". Popular on
>later vintage HF gear. 73, Sheldon KC0CW

Another possibility is an "LN" which is a "large N" connector. It was
commonly used on RG-17 sized cables.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Plug-in Product Detector for Collins 75A3??
Message-ID: <Pine.SV4.3.91.960809101009.17591A@mesa5.mesa.colorado.edu>

Yesterday, I believe that someone mentioned a plug-in product detector

which was available in the 1950s or 1960s for the Collins 75A3. The unit was made by some firm other than Collins. I would be interested in obtaining a photocopy of the instruction manual and schematic for that unit for the purpose of trying to home-brew one of these units.
Thanks.

Jim W0KSD

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: Plug-in Product Detector for Collins 75A3??
Message-ID: <01I82MNVQ99U000YAI@ACS.EKU.EDU>

I think if you will check QST's from that time you will find a home brew product detector for the A-3, built into a small box and designed to plug in.... Sorry I cannot be more specific as to dates.

73, Al N5AIT
modsteph@acs.eku.edu
Richmond, Kentucky

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: srodowic@ix.netcom.com (Stefan Rodowicz)
Subject: Re: Plug-in Product Detector for Collins 75A3??
Message-ID: <199608091941.MAA20033@dfw-ix11.ix.netcom.com>

Jim, W0KSD wrote:

>Yesterday, I believe that someone mentioned a plug-in product detector
>which was available in the 1950s or 1960s for the Collins 75A3. The
>unit was made by some firm other than Collins. I would be interested
>in obtaining a photocopy of the instruction manual and schematic for
>that unit for the purpose of trying to home-brew one of these units.
>Thanks.

>
>Jim W0KSD
>

Saw Al, N5AIT's response to your request & looked up the reference (just in case the 3rd-party factory product detector info isn't available):

Product Detector for the 75A3
CQ Magazine, October 1966, p29

73, Steve - N1SR

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: frank_adams@onf.com (Frank Adams)
Subject: Prehistoric HRO Alignment
Message-ID: <943116059.50228823@onf.com>

Tonight, I went out to my shack for a little BA fun - aligning my very early (1935) HRO. I had looked forward to this, because in the manual I have (later - '44) covering all the old HRO's generically, it outlines a neat-sounding procedure to do all RF/IF/BFO alignment WITHOUT any generator or other equipment. Neat, I thought...it all works OK, but let's tweak it up, since no one has touched the sucker in at least 35 years...and then we can tell the group that Heath isn't the only company that thought up this self-calibration thing, ho-ho-ho...

This is the ancient set with the 2.5v tubes, and round IF cans. (It is pristine, too!) But the schematic is otherwise identical (?) to the HRO-M in the manual.

RF alignment went easily, after I spent over an hour hunting up a thin-shafted straight screwdriver that is over 7" long, to reach the coil trimmers, which you can't even see once you do find something to reach them with...glad the pilot light is bright! I found it easy to over-peak trimmer #2, and get front-end oscillation, so "adjust for the maximum noise level" does require a bit of judgement on this unit.

The manual gave a simple procedure to use the BFO, along with the xtal filter, to match 455KC, by finding (with certain control settings) the spot on the BFO dial where you hear the crystal "ring." This is the procedure used to check the IF, by finding the "ringing" spot both with/without the xtal filter, and verifying that they are the same position on the BFO dial. I twiddled for awhile, and encountered the first problem: no "ring" or other distinct audible indication whatsoever. Hmmm.... oh well, what's next...

I went looking for the IF trimmers. My eyes aren't what they once were so, since I can't work on the receiver while it is ten feet away, I presumed that those pairs of round bumps in holes atop the IF cans were the trimmer screws...reasonable enough, no? Except (1) I find they are not slotted, and (2) I get "realigned" myself with a 250v zap from the front one on the second can. No sign of IF trimers anywhere! WTF, over?

Temporarily dejected (but still alive), I decided to quit the alignment idea until I might learn how/why this rcvr behaves unlike the manual says (crystal ringing) and, perhaps, where the IF trimmers might be hidden. But WAIT! We're out here already, and that S-meter isn't properly zeroed when it's off; let's adjust its movement, like every other panel meter we've ever had (not!); and there's good stuff playing on it to keep us entertained while we

do it, with the S-meter switched off. Upon turning the movement screw, while holding onto the cabinet with my other thumb on the metal meter bezel (heck, it's mounted to the metal cabinet, right?), I get an even healthier ZAP, from one hand through to the other, that puts me back a few feet. Hmm...this rcvr doesn't seem to like me as much as I like IT. Glad I wasn't too sweatly...

Does anyone happen to know (1) why I cannot get the "ring" indication, or how else I might do so, and/or (2) where the IF adjustments (presume there are six of them) are supposed to be on these round, ancient cans? Please mail me if you do! I'm not even going to ask about the S-meter carrying B+ on the movement screw (which is exposed on the front panel) while shut off... (aarrgghh!)..I'll just keep my baby away, or let my ex play with it when she comes around with her palm up. :-)

Other than this, I think National's idea of letting me align this thing with only a screwdriver (well, a REAL long, skinny one about as rare as the set around my place), while providing me with free shock therapy (well, with the help of my own "experienced" carelessness), is a real knockout! (ouch!)

Frank <frank_adams@onf.com> or <c-going@postoffice.worldnet.att.net>

--- OffRoad 1.0 unregistered

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Al Klase <alklase@prolog.net>
Subject: Re: Prehistoric HRO Alignment
Message-ID: <199608091431.KAA28493@ns1.ptd.net>

At 03:09 AM 8/9/96 -0500, Frank Adams wrote:

>I went looking for the IF trimmers. My eyes aren't what they once were so,
>since I can't work on the receiver while it is ten feet away, I presumed that
>those pairs of round bumps in holes atop the IF cans were the trimmer
>screws...reasonable enough, no? Except (1) I find they are not slotted, and
>(2) I get "realigned" myself with a 250v zap from the front one on the second
>can. No sign of IF trimers anywhere! WTF, over?
>

Yes, the IF trimmers in the plate circuit are at B+. As for the bumps, here's what I think you have. A lot of air trimmers from the 30's and 40's are similar in construction to the Hammarlund APC series: The rotor shaft is slotted and is held in place by a hexagonal sleeve pressed on the end of the shaft. The shaft is under spring tension to make good contact. The hex sleeve often slips allowing the shaft to move to the rear and short the rotor to the stator. The classic fix is to hold the piece in proper alignment while soldering the sleeve to the shaft at the front. This results in a solder bump where the adjustment slot used to be. My

early HRO, s.n. H16, came to me with a similar fix, but they managed to leave the slots open.

I'd resist the temptation to melt the solder and clear the slots. The caps will almost surely short if you do this, requiring total dissassembly of the IF can. Look for an insulated hex tool that will turn the cap.

Upon turning the movement screw, while
>holding onto the cabinet with my other thumb on the metal meter bezel (heck,
>it's mounted to the metal cabinet, right?), I get an even healthier ZAP, from
>one hand through to the other, that puts me back a few feet. Hmm...this rcvr
>doesn't seem to like me as much as I like IT. Glad I wasn't too sweatly...
>

The meter is at high potential as well. Be careful, a short to ground in the wrong place could prang it lastingly.

Gotta run. 73

Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Kim Herron <kherron@voyager.net>
Subject: Re: Prehistoric HRO Alignment
Message-ID: <199608100213.WAA13057@vixa.voyager.net>

Hi Gang,

I get "realigned" myself with a 250v zap from the front one on the second
>>can. No sign of IF trimers anywhere! WTF, over?

>>

> Yes, the IF trimmers in the plate circuit are at B+.

Yes I read this. I also deleted much of both posts. My prejudice is showing. This really sounds like a good reason to get an HQ-180. NO coils, NO shocks, and NO guesswork. MY flame suit is ON!!

KIM
kherron@vixa.voyager.net

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: n5off@w5ddl.aara.org
Subject: R-390 Cabinet? Yes.
Message-ID: <436611@w5ddl.aara.org>

Sorry, but there was a cabinet made for the 390.

It was not shipped with the radio, but it was available. Can't find the designation now, but I have a picture of one.

It has generous louvers on sides and top, is open in the back, and the bottom is stamped in the shape of an X for stiffness. Also, the cabinet can be collapsed to make it completely flat (intentionally, unlike UPS shipped cabinets :-)

73 de tom

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Walt Novinger <waltn@earthlink.net>
Subject: Re: R-390 Cabinet? Yes.
Message-ID: <2.2.32.19960810001556.006a6710@earthlink.net>

At 04:35 PM 8/9/96 -0500, n5off@w5ddl.aara.org wrote:

>Sorry, but there was a cabinet made for the 390.

>

>It was not shipped with the radio, but it was available. Can't find
>the designation now, but I have a picture of one.

>

>It has generous louvers on sides and top, is open in the back,
>and the bottom is stamped in the shape of an X for stiffness.

>Also, the cabinet can be collapsed to make it
>completely flat (intentionally, unlike UPS shipped cabinets :-)

>

>73 de tom

Right-O, Tom. I have one of those collapsible cabinets, and I also have a non-collapsible tabletop cabinet that was intended to be bolted to a table (I believe it's Navy issue). I am currently using the latter cabinet to house my Mish-rebuilt 390A. It has the louvers you mentioned (top and sides), screened round vent holes on the bottom, and a recessed back that conforms to the back panel and protuberances on the 390A. The corners are rounded, and the entire cabinet is steel (heavy!).

Regards,
Walt

=====

Walt Novinger	Real Radios Keep You Warm At Night!
---------------	-------------------------------------

Collector of hollowstate communications receivers and test equipment
waltn@earthlink.net wnovinger@shl.com CI\$: 73340,2015

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: Re: R-390A agc problems
Message-ID: <320AA5A5.2A50@txdirect.net>

Phil:

There was never a cabinet for the R390. It was sipped alone and almost always mounted in racks for operation. I oncw worked in a unit in the far east which shall remain nameless where we had over sisty 390s tuned to various frequencies for monitoring foreign stations.

Bill Ross
K5LLK

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: Radio Craft June "47"
Message-ID: <199608090313.UAA04156@dfw-ix8.ix.netcom.com>

An article in here address the "SX-28 heating problem in the power transformer and "S" meter hits the pin. Adjusting the potentiometer has no effect. The meter adjustment control is mounted directly on the metal chassis with its center terminal insulated from the metal case. The meter is in the plate circuit and the insulation of the control breaks down, putting an extra load on the power supplyand drawing full current through the meter. As a cure, I enlarged the potentiometer mounting hole and reinstalled the control after insulating its shaft with a bakelite insulating washer." by James C. McGuire in Los Angeles, CA.

in a section called "Can you answer these", are 10 questions that employees of Collins Radio Inc. of Cedar rapids are expected to answer in order to show their knowledge of work they are performing. A passing grade entitles the applicant to a trial period on the job, which, if successfully completed, leads to a permanent position. A sample question for a "Test Technician B" assignment is as follows.

1: In a radio frequency amplifier stage having a plate voltage of 1,250 volts, a plate current of 150 milliamperes, a grid current of 15 mils, and a grid leak resistance of 4,000 ohms, what is the exact grid bias value?

2: Sketch a block diagram of a crystal-controlled transmitter, using a

buffer stage and high-level modulation.

etc, etc.

10. What is a "parasitic oscillation".

Questions from "The Collins Signal, Jan. 1947

On a final note there is an article labeled "Unwanted Invention".

Dear Editor:

In the "Why Not" item by Elizabeth Rehm in the February issue of Radio Craft, Miss Rehm says that a telephone which could be used without being held in the hand "would enable a woman to chat and do some mending at the same time". That is precisely the reason the telephone companies have not dared touch the idea with a ten-foot pole. Why, that's dynamite to play with! Women do enough "visiting" on the telephone under present conditions. Imagine the confused state of affairs that would exist if they could sit and mend while gossiping on the phone. We men would never get the chance to use it. So please, Bell System, don't toy with the idea!

Sig. Long Suffering Male, Cabin John, Md.

BTW the front cover of this magazine has a picture of the "Atomic Pioneer" Dr. Enrico Fermi testing a piece of gear that kind of looks like a transmitter of some sort. I haven't read the article.

Larry WOOGH@ix.netcom.com

Hope I'm not too far out of line with these tidbits folks.

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Lahlum-FLR111 Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: Sniffing Noise
Message-ID: <9608091438.AA09515@kay.wes.mot.com>

Just wanted to mention an interesting noise source I found at work yesterday. We were failing lots of units in test for BER (Bit Error Rate). The same units passed when they were retested the next morning. BER is very sensitive to interference, so on a hunch, I threw together a quick & dirty dipole antenna, put it on the spectrum analyzer, & -whoa! LOTS of garbage all the way from below 1 MHz to over 1 GHz. It had to be some kind of impulse noise. With help from a tech, we rotated the antenna to find the peak, then started walking back & forth along that axis until the noise got stronger. It was strongest next to

an air ionizer fan next to one of the lines. We shut it off & the noise went away - *and* all the units started passing the BER test! People were amazed, we were heroes, and a story can be shared with my BA pals! Life is good!

BTW, you don't need a fancy spectrum analyzer to locate noise sources. You can do this at home with a small portable AM radio (even solid state will work!) Since most of these radios have a ferrite "loopstick" antenna, which is directional, you can use them to hunt down your own noise sources. Just tune it to a quiet spot between stations, then listen for noise as you rotate it. You may be surprised to find how many noise sources there really are around the house - try putting it next to the cables coming out of your computer, for example. If anyone has success using this method, please let the group know!

73,
Ross KB9JJR
ross_lahlum@msmail.wes.mot.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: d.buska@AAIATE.COM
Subject: Some interesting reading.....
Message-ID: <96Aug9.115444cdt.15422@gateway.aaiate.com>

I found this interesting passage in a book I'm reading.
Thought the BA list might find it interesting.

"The last night we were here you were trying out your new crystal set," Bob reminded him.
"Do you still think as much of it as you did then? Or have you gone back to the vacuum tube?"
"I use them both," replied Doctor Dale. "Of course at the present time, the vacuum tube is supreme. It will be a long time before it will be superseded by anything that is so sure and powerful in operation. But all the same, there's a great future ahead for the crystal."
"For receiving perhaps," said Bob. "But how about sending? You can't use the crystal for that."
"Even for sending," affirmed the doctor.
"Have you heard of the crystodyne principle?"
"New one on me," replied Bob.
"It's new to a lot of people," said the doctor.
"It means the employment of an oscillating crystal to replace the vacuum tube now in use. It's the invention of a Russian scientist, and it

has received the approval and endorsement of some of the big guns in radio. A special form of crystal in a special arrangement is made to oscillate. You cannot only receive with it, but can generate and transmit radio waves - in other words, send messages with it."

"Just think of it!" exclaimed Jimmy. "And we've been looking down on the crystal as a sort of poor relation of the vacuum tube."

"But does it really work?" asked Joe, greatly interested.

"It actually does," was the reply. "Messages have been sent to a distance of nearly a mile by its use. Of course that isn't far, but the thing is in its infancy yet, and the principle is there. If you can send a message a mile, it won't be long before you can send it a thousand miles. You know that Marconi, when he started, could send only a few miles. You cannot only detect with the crystal, but you can amplify with it. You can use any number of them in various circuits in order to get distance, and before long we may be speaking of three- and six crystal sets just as now we talk of three- or six-tube sets."

"Why, if that's so, it will revolutionize radio!" exclaimed Bob.

Some insight I'd say, wouldn't you? By the way this is from the book "The Radio Boys with the Flood Fighters" with a copyright of 1925.

Great reading for the family. I sat down with my 7 year old daughter and we read the first three chapters last night. By-the-by, the daughter is now up to 20 Morse Code letters memorized (the next ham in the family).....

73

Don

**			**
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** fax (847)634-2872 **
**
** ARRL-LM AWA AMI CCA QCWA CSVHFS NTMS **

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: Tim Richardson <tim@america.net>
Subject: Re: Tube Puller??
Message-ID: <2.2.32.19960809024843.00683460@america.net>

At 09:30 PM 8/7/96 -0500, you wrote:

>
>Does anyone know where I can buy a tube puller for removing tubes from
>hard to reach places?

>
>Thanks.

>
>Jim Rybak W0KSD

>
I have several pieces of vinyl hose of varying diameters that I use. I purchased them at the local hardware store. Make a few 1/4 inch long slits in the end of the hose. Just maneuver the hose in place and push over the tube until it is snug. Then pull the hose and -voila!- the tube will come right out. I have also used them to install tubes. Stick the tube in the end of the hose, pin end out. Maneuver the tube into position. A wood dowel is helpful to guide it into place. I then insert a door spring thru the hose to push & hold the tube in place while I pull the hose off. Nothing fancy, but it works.

73,

Tim Richardson, WB4HZT, Acworth, GA <tim@america.net>
"Those who cannot remember the past are condemned to repeat it."-Santayana

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: Re: Tube Puller??
Message-ID: <320AAD9E.2821@txdirect.net>

James P. Rybak wrote:

>
> Does anyone know where I can buy a tube puller for removing tubes from

> hard to reach places?
>
> Thanks.
>
> Jim Rybak W0KSD

I bought mine from Altex Electronics In San Antonio, Texas.
(210)828-0503. I admit I work there but you asked and I don't know any
place else.
Bill K5LLK

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: aculbert@pps1-po.phyp.uiowa.edu
Subject: VIKING I PARTS
Message-ID: <199608091934.0AA131774@ns-mx.uiowa.edu>

BAers,

I am about to part out a Johnson Viking I transmitter. If you have need for
parts from such a transmitter, speak up.

Al, K0AL

allan-culbert@uiowa.edu

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Ornitz_Barry <ornitz@eastman.com>
Subject: Vintage Electronic Books
Message-ID: <199608100119.AA40103@eastman.com>

For those looking for vintage electronics books, you might check out
the folks listed below. They have a number of former library copies and
their prices are good. They had several older ARRL Handbooks at prices
lower than I have seen advertised lately on this group. I purchased two
editions of Marcus and Markus "Elements of Radio" from them and a highly
sought-after "SSB Principles and Circuits" by Pappenfus, Bruene and
Schoenike. Send them email or check out their web site. My only
relationship to them is as a satisfied customer.

Chuck or Gail Sanders
infomedx@oneworld.owt.com
<http://www.owt.com/infomedix/gailcat.htm> -- book catalogs

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: "Walter Fairclough" <wfairclo@netcom.ca>
Subject: Wanted Hallicrafters
Message-ID: <199608090230.WAA14958@tor-srs2.netcom.ca>

Looking for the following Hallicrafters

SX-111(late model i.e., with xtal calibrator and product detector).
HT-32 (preferably the 32A)
Main tuning knob for S-19R Sky Buddy
Bandsread knob for S-19R Sky Buddy

Please state appearance, condition and operation.

email replies to wfairclo@netcom.ca

Thanks

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: WHITE PAINT SPOTS
Message-ID: <9608091331.aa25934@pcusa01.ecunet.org>

Yeah, the white spots are a pain.

However, if they've landed on something that was not perfectly clean, or a bit greasy or not something that that particular kind of paint sticks well to (including paint), then...

Gently scrape (persuade!) it off with something non-metallic that has a very sharp, knife-like edge.

I use a throw-away 6" ruler that has a devil of an edge. Also, plastic letter opener works.

-John Sehring (08/09/96 9:31 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: KB9VU@aol.com
Subject: WTB: Tektronix Scope
Message-ID: <960809055327_452439970@emout12.mail.aol.com>

Thanks to all who responded to my last post looking for a 545B Scope. Alas, all were either outside the driving distance for pickup or tentatively available. So, trying again:

Need a Tek 545B scope. Want it to be complete with a good front panel. Need not be working. Plugin's not required. Manual desired. Like to find one within 200 miles of St. Louis, MO for pickup.

Thanks

Mike Stover, kb9vu@aol.com

From boatanchors@theporch.com Fri Aug 9 11:15:34 1996
From: nielw@ix.netcom.com (Niel Wiegand)
Subject: WTB: Drake RV4C Remote VFO
Message-ID: <199608090351.UAA08586@dfw-ix11.ix.netcom.com>

Now that I aquired a nice looking TR4Cw at the last Austin Swap meet I would like the remote vfo to go with it.

Does anyone have a Drake RV4C available?

I have a cosmetically challenged NC-303 if some one might consider a trade.

73, Niel - WA5VLZ

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: nielw@ix.netcom.com (Niel Wiegand)
Subject: WTB: Noise Blanker for Drake TR4C
Message-ID: <199608092207.PAA01994@dfw-ix8.ix.netcom.com>

I'm looking for the noise blanker option for a Drake TR4C or TR4Cw. It plugs in over on the left side of the chassis and is labled "34PNB".

73, Niel - WA5VLZ
nielw@ix.netcom.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: WTB: TCS-14 Manual
Message-ID: <Pine.OSF.3.91.960809175339.8355A-100000@abernathy.tenet.edu>

I am looking for an original TCS-14 manual or, at least, a good copy.
Anybody got either?

Lenox, WA50VG
klccarru@tenet.edu

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: WTD: manual for TRC-77
Message-ID: <199608092055.PAA19070@dns1.net-connect.net>

I am looking for a manual for the TRC-77.

Any help will be greatly appreciate.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Fri Aug 9 21:50:02 1996
From: mirage!pamars@uucp-1.csn.net (P.A.Marshall)
Subject: You just never know...
Message-ID: <9608091859.AA29393@mirage>

Gang,

Ya just never know when life is going to turn around and give ya a big, pleasant slap on the back. On returning to my office after lunch I noticed that a friend had returned some reading material (he left it in my chair - couldn't miss it). It was not untill I went to fetch parts for the next job on the list that I noticed the six *large* boxes. About a week or so ago he had mentioned having a few QSTs and that he would drop them off some day as he no longer had any interest in them. There are also a few other odds and ends, right now I am looking at Vol.1 No.1 of 'Radio News', there are also copies of 'Radio Broadcast' and I don't know what else. Well I know what I'll be doing this weekend, cataloging. Drag out soap box. I guess this only proves to me once again something I found out long ago, help when you can, be as fair as you can, etc. and others will be the same to you... mostly :-)
Many on the list have helped me in many ways, I hope I never forgot to

say 'Thanks' at the time, but anyway a public thanks to all again, and
I'll try and keep up my end of things in what ever little ways I can.
Put soap box away. I hope every one has a pleasant weekend.

Al Marshall	"Real Radios Glow in the Dark"	almarshall@acm.org
1+219.665.5072	Mirage Computers, Inc.	pamars@mirage.angola.in.us

"The lyf so short, the craft so long to lerne." - Chaucer